REMARKS

Claims 1-33 stand pending. Claims 1, 11, 19, 27, and 32 have been amended. The title is objected to. Claims 22-26 and 32-33 stand rejected under 35 U.S.C. § 101 as claiming non-statutory subject matter. Claims 1-33 stand rejected under 35 U.S.C. § 102(e) to Al-Azzawe, US Patent 7,155,426, hereinafter referred to as Al-Azzawe.

OBJECTION TO APPLICATION TITLE

The title has been amended as requested by the Examiner to: SQL SERVER DEBUGGING IN AN DISTRIBUTED DATABASE ENVIRONMENT.

35 U.S.C. § 101 NON-STATUTORY SUBJECT MATTER REJECTION

Applicants have hereby amended claims 19 and 32 to overcome the rejection to the claims to clarify the subject matter of the invention. The claims are now clearly within the technological arts and are now limited to tangible embodiments. Applicant respectfully requests the Examiner to withdraw the rejections under 35 U.S.C. § 101.

35 U.S.C. § 102(b) REJECTION

Each of the claims has been rejected by the Examiner as being anticipated by the Al-Azzawe reference. Applicants have amended the claims to more clearly define the present invention. Further, Applicants submit that the claims, as now amended, are not anticipated by the Al-Azzawe reference.

The independent claims have been amended to more clearly recite the forms of the invention disclosed in the application and no new matter has been added. Each of the

independent claims now include a recitation regarding the use of the inventive system and methods to the debugging of managed code, as compared to unmanaged or non-interpreted code.

The background of the invention (Col 1, lines 37-63) of the Al-Azzawe reference describes the problems of the time regarding debugging routines in the SQL language, and particularly the language, as the then current PSM (Persistent SQL Modules) implementations under DB2, requiring pre-compilation of the source code, while additionally describing a three-step compilation procedure for a particular SQL language. The pre-compilation requirement of SQL and other languages is the identified problem in the art.

More importantly, the Al-Azzawe reference in the Summary of the Invention section, discloses that its invention uses stored procedures via a console to debug the SQL instructions. Further and more importantly, the debugging is performed through debugger interface software instructions, inserted during compilation of the SQL instructions (Col 3, lines 7-18).

The present invention, as recited by the amended claims, utilizes debugging of managed code, which managed code is vastly different than the compiled code of Al-Azzawe. In embodiments with managed code, such managed code is code that has its execution managed, for example by a .NET framework Common Language Runtime, and is not pre-compiled as conventionally understood, but compiled just-in-time (JIT). A more complete discussion of managed code is found in the specification. Applicants submit that no teaching, discussion, or suggestion to debugging managed code, as utilized in the present invention, is found in Al-Azzawe.

With the now claimed ability to debug managed code, more than one client may debug code on the server at once, communications may take place via HTTP, and dynamic non-persistent code may be debugged, corrected and verified. Actually, Al-Azzawe attempts to avoid the use of TCP/IP protocol (as opposed to the present invention), as Al-Azzawe suggests such TCP/IP would introduce additional complexity and communication overhead into the system (Col. 10 line 58- Col. 11 line 12).

The invention, as now claimed, regards debugging of managed code, in connection with a SQL database, and is not shown or disclosed in the Al-Azzawe reference. Therefore Applicant submits that Al-Azzawe does not teach each and every element of the amended claims (1-33), and therefore cannot anticipate the claims under 35 U.S.C. § 102(e).

Separately and independently, claim 4 recites that the debugger and server operate on different computers. In one form of the invention, as shown in Fig. 4b, the debugger is located on a different computer than that of the server. Such claimed structure is not shown in the Al-Azzawe reference, as each embodiment has a debugger router 116 or 216 located on server 102.

Additionally and independently, claims 6, 14, and 22 recite the aspect of the invention requiring the detection of a transition between T-SQL and managed code, which detection is communicated to the debugger. Such aspect is not found, taught or disclosed in the Al-Azzawe reference.

And further, Claims 10, 18, and 26 recite detection of a dynamic T-SQL frame added to a computer server user stack and passing text of that added frame to the debugger. No such teaching or disclosure is found in the Al-Azzawe reference.

For all the above reasons, Applicants submit that the Al-Azzawe reference does not include each and every element of the amended claims. Applicant respectfully requests withdrawal of the rejections under 35 U.S.C. § 102(e), and issuance of a Notice of Allowance.

CONCLUSION

It is requested that the forgoing arguments, remarks, and amendments be entered, and in view thereof, it is respectfully submitted that this application is in condition for allowance. Reconsideration of this application and an early Notice of Allowance are respectfully requested. In the event that the Examiner cannot allow this application for any reason, the Examiner is encouraged to contact the undersigned attorney to discuss resolution of any remaining issues.

Date: July 18, 2007

/Joseph F. Oriti/
Joseph F. Oriti
Registration No. 47,835

Woodcock Washburn LLP
Cira Centre
2929 Arch Street, 12th Floor
Philadelphia, PA 19104-2891
Telephone: (215) 568-3100
Facsimile: (215) 568-3439